

EXISTING AND PROPOSED CRITERIA WITH PERCENT REDUCTIONS

Toxic Pollutant	Waters: Public Water Supply			Waters: Outstanding Alabama, Shellfish Harvesting, Swimming and Other Whole Body Water-Contact Sports, Fish and Wildlife			Waters: Limited Warmwater Fishery, Agricultural and Industrial Water Supply		
	Existing Criterion	Proposed Criterion	Percent Reduction	Existing Criterion	Proposed Criterion	Percent Reduction	Existing Criterion	Proposed Criterion	Percent Reduction
Acenaphthene	454	316	30.4%	579	579	0.0%	579	579	0.0%
Acrolein ¹	129	0.20	99.8%	169	5.4	96.8%	169	5.4	96.8%
Acrylonitrile	0.45	0.35	22.2%	1.4	1.4	3.3%	1.4	1.4	0.0%
Aldrin	0.00029	0.00028	1.7%	0.00029	0.00029	0.2%	0.00029	0.00029	0.0%
Anthracene	7241	3536	51.2%	23333	23333	0.0%	23333	23333	0.0%
Antimony	13.8	13.8	0.0%	933	15.3	98.4%	933	933	0.0%
Arsenic	0.37	0.37	0.0%	0.92	0.88	4.2%	0.92	0.92	0.0%
Benzene ¹	11	2.7	76.1%	155	21	86.8%	82	82	0.0%
Benzidine	0.00066	0.00065	1.9%	0.0012	0.0011	2.2%	0.0012	0.0012	0.0%
Benzo(a)anthracene	0.033	0.00092	97.2%	0.11	0.0014	98.7%	0.11	0.11	0.0%
Benzo(a)pyrene	0.033	0.00054	98.4%	0.11	0.00083	99.2%	0.11	0.11	0.0%
Benzo(b)fluoranthene	0.033	0.00057	98.3%	0.11	0.00082	99.2%	0.11	0.11	0.0%
Benzo(k)fluoranthene	0.033	0.033	0.0%	0.11	0.11	0.0%	0.11	0.11	0.0%
Bis(2-chloroethyl)ether	0.29	0.20	29.7%	3.1	2.3	26.7%	3.1	3.1	0.0%
Bis(2-chloroisopropyl)ether	1350	618	54.2%	37787	37787	0.0%	37787	37787	0.0%
Bis(2-ethylhexyl)phthalate	8.5	8.5	0.0%	13	13	0.0%	13	13	0.0%
Bromoform	42	24	43.9%	788	249	68.4%	788	788	0.0%
Butylbenzyl phthalate	971	971	0.0%	1127	1127	0.0%	1127	1127	0.0%
Carbon tetrachloride	2.1	0.97	53.9%	9.6	3.9	59.5%	9.6	9.6	0.0%
Chlordane	0.0047	0.0046	2.8%	0.0047	0.0046	1.8%	0.0047	0.0047	0.0%
Chlorobenzene ²	606	15	97.5%	4531	83	98.2%	4531	906	80.0%
Chlorodibromomethane	3.9	1.3	66.9%	74	22	70.3%	74	74	0.0%
Chloroform	54	2.2	96.0%	1020	326	68.0%	1020	1020	0.0%
2-Chloronaphthalene	695	534	23.1%	924	924	0.0%	924	924	0.0%
2-Chlorophenol	58	39	32.9%	87	81	6.9%	87	87	0.0%
Chrysene	0.033	0.0010	97.1%	0.11	0.0014	98.7%	0.11	0.11	0.0%
Cyanide (free) ²	690	40	94.2%	46667	9333	80.0%	46667	9333	80.0%
4,4'-DDD	0.0018	0.0018	2.1%	0.0018	0.0018	1.4%	0.0018	0.0018	0.0%
4,4'-DDE	0.0013	0.0013	1.9%	0.0013	0.0013	1.2%	0.0013	0.0013	0.0%
4,4'-DDT	0.0013	0.0012	3.4%	0.0013	0.0013	2.3%	0.0013	0.0013	0.0%
Dibenzo(a,h)anthracene	0.033	0.00035	98.9%	0.11	0.00054	99.5%	0.11	0.11	0.0%
1,2-Dichlorobenzene ²	1718	135	92.1%	3777	372	90.1%	3777	755	80.0%
1,3-Dichlorobenzene	256	90	64.9%	562	229	59.3%	562	562	0.0%
1,4-Dichlorobenzene ²	256	31	88.0%	562	55	90.3%	562	112	80.0%
3,3'-Dichlorobenzidine	0.14	0.12	12.6%	0.17	0.15	10.4%	0.17	0.17	0.0%
Dichlorobromomethane	5.3	1.9	63.7%	100	34	66.1%	100	100	0.0%
1,2-Dichloroethane	3.8	1.5	61.5%	214	46	78.7%	214	214	0.0%
1,1-Dichloroethylene ²	1614	101	93.8%	20833	1287	93.8%	20833	4167	80.0%
1,2-trans-dichloroethylene ²	684	42	93.9%	29536	970	96.7%	29536	5907	80.0%
2,4-Dichlorophenol	65	45	31.4%	172	96	44.4%	172	172	0.0%
1,2 Dichloropropane	4.9	1.7	65.4%	85	27	68.2%	85	85	0.0%
1,3 Dichloropropylene	3.4	2.4	28.9%	123	34	72.0%	123	123	0.0%
Dieldrin	0.00031	0.00030	2.3%	0.00031	0.00031	1.3%	0.00031	0.00031	0.0%
Diethyl phthalate	13365	12194	8.8%	25571	22808	10.8%	25571	25571	0.0%
Dimethyl phthalate	227273	218721	3.8%	648148	603753	6.8%	648148	648148	0.0%
2,4-Dimethylphenol	291	259	11.1%	498	436	12.3%	498	498	0.0%
Di-n-butyl phthalate	1499	889	40.7%	2622	1464	44.2%	2622	2622	0.0%
4,6-Dinitro-2-methylphenol	13	13	0.0%	165	165	0.0%	165	165	0.0%
2,4-Dinitrophenol	68	65	5.6%	3111	1120	64.0%	3111	3111	0.0%
2,4 Dinitrotoluene	1.1	0.96	10.5%	20	8.1	58.9%	19.8	19.8	0.0%
Dioxin (2,3,7,8-TCDD)	0.0000026	0.0000017	35.5%	0.0000027	0.0000019	28.0%	0.0000027	0.0000027	0.0%
1,2-Diphenylhydrazine	0.32	0.23	27.7%	1.2	0.61	48.1%	1.2	1.2	0.0%
Endosulfan (alpha)	42	39	5.8%	52	52	0.0%	52	52	0.0%
Endosulfan (beta)	42	39	5.8%	52	52	0.0%	52	52	0.0%
Endosulfan sulfate	42	39	5.8%	52	52	0.0%	52	52	0.0%

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	Endrin ²	0.17	0.03	80.5%	0.18	0.03	80.3%	0.18	0.04
Endrin aldehyde	0.17	0.17	0.0%	0.18	0.18	0.0%	0.18	0.18	0.0%
Ethylbenzene ²	2240	303	86.5%	6222	1244	80.0%	6222	1244	80.0%
Fluoranthene	77	37	52.3%	81	46	43.3%	81	81	0.0%
Fluorene	966	473	51.0%	3111	3111	0.0%	3111	3111	0.0%
Heptachlor	0.00046	0.00045	1.6%	0.00046	0.00046	0.5%	0.00046	0.00046	0.0%
Heptachlor epoxide	0.00023	0.00023	0.1%	0.00023	0.00023	0.0%	0.00023	0.00023	0.0%
Hexachlorobenzene	0.0017	0.0015	7.9%	0.0017	0.0016	5.4%	0.0017	0.0017	0.0%
Hexachlorobutadiene	4.3	0.64	85.2%	108	1.4	98.7%	108	108	0.0%
Hexachlorocyclohexane (alpha)	0.019	0.017	7.5%	0.028	0.028	0.0%	0.028	0.028	0.0%
Hexachlorocyclohexane (beta)	0.066	0.066	0.0%	0.10	0.10	0.0%	0.10	0.10	0.0%
Hexachlorocyclohexane (gamma) ²	3.56	0.52	85.4%	5.4	0.85	84.3%	5.39	1.08	80.0%
Hexachlorocyclopentadiene ²	197	0.16	99.9%	3226	645	80.0%	3226	645	80.0%
Hexachloroethane	10.9	4.4	59.1%	19.2	10.3	46.3%	19.2	19.2	0.0%
Indeno (1,2,3-cd) pyrene	0.033	0.00054	98.4%	0.11	0.00082	99.2%	0.11	0.11	0.0%
Isophorone	346	290	16.2%	5608	2774	50.5%	5608	5608	0.0%
Mercury	0.042	0.033	21.2%	0.042	0.042	0.1%	0.042	0.042	0.0%
Methyl bromide	46	16	65.8%	871	871	0.0%	871	871	0.0%
Methylene chloride	46	32	31.0%	3457	716	79.3%	3457	3457	0.0%
Nickel	411	411	0.0%	993	945	4.9%	993	993	0.0%
Nitrobenzene	17	12	31.2%	404	404	0.0%	404	404	0.0%
N-Nitrosodimethylamine	0.0069	0.0069	0.0%	18	18	0.0%	18	18	0.0%
N-Nitrosodi-n-propylamine	0.049	0.049	0.0%	2.9	2.9	0.0%	2.9	2.9	0.0%
N-Nitrosodiphenylamine	23	19	18.4%	35	29	17.7%	35	35	0.0%
PCB-1016	0.00037	0.00035	6.1%	0.00037	0.00036	4.9%	0.00037	0.00037	0.0%
PCB-1221	0.00037	0.00035	6.1%	0.00037	0.00036	4.9%	0.00037	0.00037	0.0%
PCB-1232	0.00037	0.00035	6.1%	0.00037	0.00036	4.9%	0.00037	0.00037	0.0%
PCB-1242	0.00037	0.00035	6.1%	0.00037	0.00036	4.9%	0.00037	0.00037	0.0%
PCB-1248	0.00037	0.00035	6.1%	0.00037	0.00036	4.9%	0.00037	0.00037	0.0%
PCB-1254	0.00037	0.00035	6.1%	0.00037	0.00036	4.9%	0.00037	0.00037	0.0%
PCB-1260	0.00037	0.00035	6.1%	0.00037	0.00036	4.9%	0.00037	0.00037	0.0%
Pentachlorophenol	2.5	0.059	97.6%	18	0.091	99.5%	18	18	0.0%
Phenol ¹	20568	9327	54.7%	1000000	119912	88.0%	1000000	500000	50.0%
Pyrene	724	538	25.6%	2333	2333	0.0%	2333	2333	0.0%
Selenium	163	163	0.0%	2431	2153	11.4%	2431	2431	0.0%
Tetrachloroethylene	6.0	1.8	69.3%	19	7.1	63.0%	19	19	0.0%
1,1,2,2-Tetrachloroethane	1.6	0.66	59.4%	23	5.6	75.9%	23	23	0.0%
Thallium ²	0.87	0.17	80.0%	1.4	0.3	80.1%	1.4	0.3	80.0%
Toluene ²	6032	739	87.7%	43614	2226	94.9%	43614	8723	80.0%
Toxaphene	0.0016	0.0016	1.4%	0.0016	0.0016	0.9%	0.0016	0.0016	0.0%
1,2,4-Trichlorobenzene ²	129	10	92.2%	205	19	90.6%	205	41	80.0%
1,1,2-Trichloroethane	5.8	2.2	61.3%	91	28	69.3%	91	91	0.0%
Trichloroethylene	24	7.3	69.4%	175	70	60.2%	175	175	0.0%
2,4,6-Trichlorophenol	9.8	6.5	33.9%	14	9.7	31.1%	14	14	0.0%
Vinyl chloride	0.25	0.22	11.0%	14	2.4	82.9%	14	14	0.0%
Zinc	6158	6158	0.0%	14894	14451	3.0%	14894	14894	0.0%

1 - Proposed criteria also reflect a change in toxicity value based on recent revisions in the U.S. Environmental Protection Agency's Integrated Risk Information System (IRIS) database.

2 - Proposed criteria also reflect a change based on Relative Source Contribution of 20% per U.S. Environmental Protection Agency (68 Fed. Reg. 75507 (Dec. 31, 2003)).